

**Council Meeting Date:** September 20, 2018

**Posting Language:**

Approve issuance of a rebate to the Texas Facilities Commission, for performing energy efficiency improvements at the William P. Clements Building located at 300 W. 15<sup>th</sup> Street, in an amount not to exceed \$80,692.52. (District 9)

**Fiscal Note:**

Funding in the amount of \$80,692.52 is available in the Fiscal Year 2017-2018 Operating Budget of Austin Energy.

**For More Information:**

Jeff Vice, Director, Local Government Relations (512) 322-6087; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.

**Council Committee, Boards and Commission Action:**

August 13, 2018 – Recommended unanimously by the Electric Utility Commission on a 9-0 vote with Vice Chair Hadden absent and one vacancy. August 21, 2018 – To be reviewed by the Resource Management Commission.

**Additional Backup Information:**

Austin Energy requests authorization to issue a rebate to the Texas Facilities Commission, in an amount not to exceed \$80,692.52, for energy efficiency measures at William P. Clements Building located at 300 W. 15<sup>th</sup> St. in Council District 9. The energy efficiency measures include: variable frequency drives (VFDs) for air volume, VFDs for water pumps, custom technology (VFDs for chilled water pumps) and chillers. The estimated total cost of these measures is \$3,687,700. The rebate will cover 2.19% of the total cost.

These improvements are in accordance with Austin Energy's Commercial Rebate Program guidelines and the Energy Conservation Audit and Disclosure (ECAD) Ordinance. The rebate program is one element of the comprehensive Austin Energy Resource, Generation and Climate Protection Plan to realize 900 MW of energy efficiency and demand response by 2025. It is designed in part to reduce local air pollution through energy conservation, reduce peak demand, reduce the need to purchase additional generation and assist customers in reducing electric consumption.

The avoided kilowatt-hours (kWh), estimated at 472,462 kWh per year, represent a major benefit to the local environment. This project is estimated to prevent the production of the following air emissions annually: 253 metric tons of Carbon Dioxide (CO<sub>2</sub>). The project savings is equivalent to an estimated 567,949 vehicle miles traveled, the removal of 48 cars from our roadways, or the planting of 6,499 trees or 325 acres of forest in Austin's parks.



## COMMERCIAL REBATE FACT SHEET

### William P. Clements Building

<b>Property Name</b>	William P. Clements Building			
<b>Customer Name</b>	Texas Facilities Commission			
<b>Property Address</b>	300 West 15th Street, Austin, TX 78701			
<b>Total Square Feet</b>	473,338			
<b>Year Built</b>	1985			
<b>Air Conditioner Tonnage</b>	1500			
<b>Water Heater Type</b>	Natural Gas			
<b>Total Construction Costs</b>	\$3,687,700.00			
<b>Total Rebate – Not to Exceed</b>	\$80,692.52			
<b>% of Total Construction Costs</b>	2.19%			
<b>Note(s)</b>				
Facilities owned by the State of Texas are exempt from the City of Austin’s Conservation Audit and Disclosure (ECAD) Ordinance.				
<b>Project Annual Savings (Estimated)</b>				
<b>Kilowatt (kW)</b>	207			
<b>\$/kW</b>	\$388.90			
<b>Kilowatt-hours (kWh)</b>	472,462			
<b>Scope of Work</b>				
<b>Measure</b>	<b>Rebate Amount</b>	<b>kW Saved – Estimated</b>	<b>kWh Saved – Estimated</b>	<b>\$/kW</b>
Variable-Frequency Drive (VFD) - Air Volume (2)	\$79.56	0	378	\$361.64
VFD - Water Pumps (2)	\$8,493.62	23	40,362	\$363.60
Custom Technology (VFD) - Chilled Water Pumps (2)	\$37,244.34	106	276,672	\$350.01
Chillers (2)	\$34,875.00	78	155,050	\$450.00
<b>Total</b>	<b>\$80,692.52</b>	<b>207</b>	<b>472,462</b>	<b>\$388.90</b>
<b>Measures Performed - Last 10 Years at this Property</b>		<b>Completion Date</b>	<b>Rebate Amount</b>	
Electronically Commutated Motors		9/30/2008	\$360.00	
Variable-Frequency Drive (VFD) - Air Volume		9/30/2008	\$2,518.75	
Commercial Lighting Retrofit		6/16/2010	\$73,106.85	
Electronically Commutated Motors		5/19/2011	\$1,540.00	
VFD - Air Volume		5/19/2011	\$19,686.57	